

Attachment H

Proposal # 2001-I 203 (Office Use Only)

**PSP Cover Sheet** (Attach to the front of each proposal)

Proposal Title: Partnerships for Environmental Education

Applicant Name: California Department of Fish and Game

Contact Name: Jeffrey Single

Mailing Address: 1234 E. Shaw, Fresno, California 93710

Telephone: (559) 243-4017

Fax: \_\_\_\_\_

Email: isingle@dfg.ca.gov

300,000

Amount of funding requested: % \_\_\_\_\_

Some entities charge different costs dependent on the source of the funds. Kit is different for state or federal funds list below.

State cost \_\_\_\_\_

Federal cost \_\_\_\_\_

**Cost share partners?**

\_\_\_\_ Yes X No

Identify partners and amount contributed by each Potential partners are DFG Grasslands Water District and San Joaquin River Parkway and Conservation Trust. Firm commitments to cost share have not yet been obtained.

**Indicate the Topic for which you are applying (check only one box).**

- |   |  |
|---|--|
| <input type="checkbox"/> Natural Flow Regimes                           | <input type="checkbox"/> Beyond the Riparian Corridor                |
| <input type="checkbox"/> Nonnative Invasive Species                     | <input type="checkbox"/> Local Watershed Stewardship                 |
| <input checked="" type="checkbox"/> Channel Dynamics/Sediment Transport | <input checked="" type="checkbox"/> Environmental Education          |
| <input type="checkbox"/> Flood Management                               | <input type="checkbox"/> Special Status Species Surveys and Studies  |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat             | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input checked="" type="checkbox"/> Contaminants                        | <input type="checkbox"/> Fish Screens                                |

What county or counties is the project located in? Fresno, Madera, Merced, Stanislaus

What **CALFED** ecozone is the project located in? See attached list and indicate number. Be as specific as possible 12.2, 12.3, 12.4, 13.2, 14.

Indicate the type of applicant (check only one box):

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> State agency         | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit     |
| <input type="checkbox"/> Local government/district       | <input type="checkbox"/> Tribes         |
| <input type="checkbox"/> University                      | <input type="checkbox"/> Private party  |
| <input type="checkbox"/> Other: _____                    |   |

Indicate the primary species which the **proposal** addresses (**check all** that apply):

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input checked="" type="checkbox"/> Spring-run chinook salmon |
| <input checked="" type="checkbox"/> Winter-run chinook salmon   | <input type="checkbox"/> Fall-run chinook salmon              |
| <input checked="" type="checkbox"/> Late-fall run chinook salmon  | <input checked="" type="checkbox"/> Longfin smelt             |
| <input type="checkbox"/> Delta smelt  | <input checked="" type="checkbox"/> Steelhead trout           |
| <input checked="" type="checkbox"/> Splittail   | <input type="checkbox"/> Striped bass                         |
| <input checked="" type="checkbox"/> Green sturgeon  | <input type="checkbox"/> All chinook species                  |
| <input checked="" type="checkbox"/> White Sturgeon  | <input type="checkbox"/> All anadromous salmonids             |
| <input checked="" type="checkbox"/> Waterfowl and Shorebirds  | <input checked="" type="checkbox"/> American shad             |
| <input checked="" type="checkbox"/> Migratory birds   |   |
| <input checked="" type="checkbox"/> Other listed T/E species: <u>All in Region</u>                      |   |

Indicate the **type of project** (**check only one box**):

- |  |  |
|--|--|
| <input type="checkbox"/> Research/Monitoring       | <input type="checkbox"/> Watershed <b>Planning</b> |
| <input type="checkbox"/> Pilot/Demo Project        | <input type="checkbox"/> Education                 |
| <input type="checkbox"/> Full-scale Implementation |  |

Is this a next-phase of an ongoing project?

Yes      No x

Have you received funding from CALFED before?

Yes x No     

If yes, list project title and CALFED number see list below.

Have you received funding from CVPIA before?

Yes      No x

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 24) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant to the extent as provided in the Section.

W.E. Loudermilk

Printed name of applicant

W.E. Loudermilk

Signature of applicant

99-B153  
98-C1009  
98-HI001  
97-1121  
97-H125

Merced River Corridor Restoration Phase III  
Merced River Salmon Habitat Enhancement Phase III  
SJV Salmonids in the Classroom Program Enhancement  
Developing a Genetic Baseline for San Joaquin Salmon  
Gravel at Basso Bridge

## EXECUTIVE SUMMARY:

### PARTNERSHIPS FOR ENVIRONMENTAL EDUCATION WPER SAN JOAQUIN RIVER, GRASSLANDS WETLANDS, AND TUOLUMNE RIVER

By: California Department of Fish and Game, in collaboration with the San Joaquin River Parkway and Conservation Trust, and Grasslands Water District

Amount Requested: \$299,998 over 3 years.. Potential \$180,000 in-kind cost share

Type: Environmental Education

Principal Contact: Jeffrey R. Single, CDFG, 1234 E. Shaw Ave, Fresno CA 93710. (559) 243-4017 / 4020 fax. [jsingle@dfg.ca.gov](mailto:jsingle@dfg.ca.gov)

Location: Primarily Stanislaus, Merced, Fresno, and Madera counties, with foci near Fresno, LaGrange and Los Banos. CALFED Ecozones include the Delta, The East Side Delta Tributaries, the East and West San Joaquin Basin and adjoining watersheds.

Objectives: To help fill the gaps in the current environmental education resources available in the San Joaquin Valley; assist teachers in understanding and teaching watershed stewardship; and promote an awareness of ecological principles and environmental stewardship.

Approach To provide a regional curriculum, teacher workshops, and field trip opportunities that focus on local watershed ecology. The grant will provide materials, temporary help, docent training, and expanded curricula. The enhanced curriculum for Salmonids in the Classroom will be applicable statewide, and the materials can be used at  $\geq 1$  site. Existing programs will be augmented at two locations, and a pilot program will be promoted to implementation status in a third.

Expected Outcome: Increased numbers of students and teachers taking field trips and going through the educational programs at the three sites (currently ~25,000/yr); an increase in the number of teachers who use Salmonids in the Classroom or other another environmental education curriculum; increased exposure of parents, siblings, school administrators, and the general public to the content of the curriculum; enhanced understanding by the public of the ecological principles underlying CALFED goals of water quality, watershed management, and ecological functioning; enhanced curriculum for general use in grades K-12 that incorporates CALFED goals.

Applicability to CALFED Goals: The focus of the proposed grant is the education of students and the general public to the underlying concepts and goals of the ERP. The goal ideals are currently within the existing curricula, which are extremely successful.

## PROJECT DESCRIPTION

### STATEMENT OF THE PROBLEM

Problem: Furtherance of many Calfed goals and the conservation goals of other agencies and non-governmental organizations requires a public that is aware of and well-informed about ecology, natural resource management, and resource issues. Environmental education is becoming increasingly important as a tool to develop an aware and educated public. The use of environmental education curricula in schools, and the resultant exposure of students, teachers, and parents to this information generates a demand and opportunity for increased field trip experiences, teacher training, and curriculum development.

This grant would develop, expand and provide for continuation of environmental education in three important geographic areas that are strongly associated with the CALFED goals and program areas. The existing and planned environmental education curriculum is strongly oriented to the CALFED goals of water supply, water quality and ecological quality. *The partners have demonstrated ability to develop and implement successful environmental education programs. Existing programs (Salmonids in the Classroom, DFG Interpretive programs, San Joaquin River Parkway Trust, and Grasslands Environmental Education Center) are in high demand, and cannot meet current requests for service*

Currently in the region of the San Joaquin Valley addressed in this grant proposal, there are existing environmental education programs in three geographic areas: the San Joaquin River in the Fresno area (roughly Friant to Mendota Pool); the Grasslands Wetlands Complex near Los Banos; and the Tuolumne River near LaGrange. Currently these programs reach about 24,000 students, plus their teachers and parents, annually. This grant is expected to provide a long-term increase in that capacity. As a whole, these programs are limited in the amount of students they service, the breadth of topics covered, and range of grades covered in the curriculum. Individual needs differ among the programs, but there is substantial commonality among them that justifies considering them within one grant request.

The San Joaquin River in the Fresno region, is a regional focus for educational programs of the San Joaquin River Parkway and Conservation Trust, and the Department of Fish and Game. These two entities have developed separate but interrelated education programs that include a variety of activities: day-hikes for students and the general public; guided canoe trips; volunteer experiences; conservation projects through local school groups and scouts; and teacher training workshops. Annually, about 11,000 students participate in Parkway Trust programs, and about 10 - 12,000 additional students participate in DFG educational activities, including the highly successful Salmonids in the Classroom Program. Funding is needed to continue and expand the current level of service by facilitating better access and utilization of existing use areas; buying educational materials and supplies; and providing more expansive workshops for teachers and decision-makers.

The Grasslands Wetland Complex of State, Federal, and private wetlands constitutes the largest contiguous wetland in the State of California. The Grasslands Water District and Tri-Valley Growers, with other local support, have built and equipped the Grasslands Environmental

Education Center (GEECe). Unfortunately, the District has only been able to fund an educator for about 40% .timeand the existing curriculum only covers grades **K-5**. There are no educator positions at DFGs adjacent Los Banos Wildlife *Area*. Annually, an estimated 3,000 students participate in programs at the Education Center and Los Banos Wildlife Area. This grant would fund a collaboration between the Grasslands Water District and DFG to provide **staffing** for the Environmental Education Center, expanded cumculum, **and** additional supplies for environmental education at the center and on adjacent DFG lands.

The LaGrange location along the Tuolumne River is the site of an existing DFG facility, where a permanent environmental education center is envisioned. The DFG has applied to other entities for funds to develop the concept plan for this educational facility. Meanwhile, there is the opportunity to develop local partnerships (local community partners, trained teachers, docents, etc.) and conduct educational programs at the site prior to building the educational center. This grant would fund materials and temporary help to implement **an** educational program that can operate prior to construction of the educational facility.

Conceptual Model: The essential concepts behind this proposal are: 1) **an** informed public will make sound choices and support responsible resource management; and 2) an environmental education program that is linked to the standard school curriculum, provides opportunities for convenient and meaningful field trips, and includes supporting teacher education, will be preferentially used by local teachers and school districts, This has generally proven the case in our experience with Salmonids in the Classroom. This proposal builds on standard pedagogical approaches and approved content based on guidance from the California Department of Education.

A related concept is that of building on established expertise (such as that of the Parkway Trust and DFG), existing facilities (*SJR* Parkway, DFG, Grasslands Environmental Education Center); and successful programs (Salmonids in the Classroom, Grasslands Environmental Education Center Curriculum; Parkway Trust education program).

Hypotheses Being Tested: No hypotheses are tested by this proposal, but the resultant framework of curriculum and implementation could allow hypothesis testing at later stages. Ongoing program evaluation will be performed.

Adaptive Management: This proposal falls somewhere between "Implement Pilot/Demonstration Projects" and "Implement Large-Scale Projects" (CALFED PSP Chpt. 3, Fig 2., Adaptive Management Process).

The proposal includes monitoring and evaluation of two key tasks: Field Trip Implementation, and Curriculum Development. Standard education evaluation techniques will be used for curriculum evaluation; field trip evaluation will also include evaluation of logistics, costs, and attendance rates. The results from these monitoring will be used to adjust curriculum content, scheduling, **staffing**, content location and other elements of field trip implementation, and provide information to quarterly and other reports to CALFED.

**Educational Objectives:** In order help fill the gaps in the current environmental education resources available in the San Joaquin Valley, we wish to provide a regional curriculum, teacher workshops, and field trip opportunities that focus on local watershed ecology. By creating a curriculum that supplements and expands on the curricula currently available from the DFG's Salmonids in the Classroom, Grasslands Environmental Education Center, and the San Joaquin River Parkway Trust, we can assist teachers in understanding and teaching about watershed stewardship.

Teacher workshops increase the number of skilled teachers that use the curriculum we provide, and may bring those concepts into their classroom in other contexts. Some of these workshops would be conducted at field sites for hands-on experiences that the teacher can take back to the classroom, and to promote this sort of activity as a fieldtrip for their students.

As a continuation or a culmination to the environmental curriculum, many classes go on field trips to their local rivers. In the case of the San Joaquin River Ecological Reserve, local river field trip sites are overscheduled by schools, because of the high demand for river experiences for students. This grant would expand on the opportunities for students to experience the river by making use of the sites easier, and providing more equipment and docents for these trips.

Program evaluations for these tasks are typical of many educational activities, and have been conducted for many of these activities already. Existing evaluation methods will be continued where appropriate; new methods will be applied when necessary.

**Primary Biological/Ecological Objectives:** The primary objectives for the environmental education is to nurture awareness, knowledge, and appreciation of aquatic and terrestrial natural resources and their impact on the region. This program would also encourage stewardship as well as active participation in restoration and conservation activities in the students' watersheds. These programs would complement the Salmonids in the Classroom program that the San Joaquin Valley, Southern Sierra Region of the DFG successfully began implementing eleven years ago. The Salmonids program continues to grow in demand within the school districts of this region.

## PROPOSED SCOPE OF WORK

Location **and/or** Geographic Boundaries of the Project: **This** project would primarily involve the counties of Stanislaus, Merced, Fresno, and Madera. The ecological zones affected would include the Delta, The East Side Delta Tributaries, the East San Joaquin Basin and the West San Joaquin Basin, along with adjoining watersheds. Latitude / longitude are shown on the attached map.

Approach: The following tasks will be performed during the three-year duration of the project:

### Task 1. Field Trip Supplies –

Provide materials to successfully conduct student field trips and teacher workshops in the designated three geographic areas. This includes acquisition **and** delivery of field trip support facilities including picnic tables, temporary shelters (“EZ-Up” or similar self-supported awning), and chemical toilets at San Joaquin River and LaGrange. It also includes assembling and refurbishing field study kits for student field trips; kits to be stored at the LaGrange site and at rented storage in Fresno near the San Joaquin River Ecological Reserve.

(Materials for Grasslands Environmental Education Center may be included in contract with Grasslands Water District to operate the center.)

### Task 2. Curriculum Development and Distribution

Create a watershed ecology curriculum that would supplement and expand the current programs implemented by the DFGs Salmonids in the Classroom, the San Joaquin River Parkway and Conservancy Trust and the Grasslands Environmental Education Center. This curriculum will have a regional focus encompassing grades K-12. It will correspond with California Department of Education Subject Frameworks and be available to teachers statewide.

Task 3. Field Trip Implementation. Conduct student field trips at the San Joaquin River Ecological Reserve and Tuolumne River in LaGrange, and at the Grasslands Environmental Education Center. **This** task will result in increased numbers of field trips and students served in the three geographic areas.

- (a) Recruit and train volunteers to act as docents. The San Joaquin River Parkway and Conservancy Trust can provide this service on a contract basis in the Fresno area. The Los Banos area will be served by the Grasslands Environmental Education Center staff, and LaGrange by DFG temporary employees or as DFG in-kind contribution.
- (b) Conduct field trips. The Department of Fish and Game will need additional temporary staff to assist with volunteer coordination, administering and conducting field trips and equipment maintenance.

- (c) Operate the Grasslands Environmental Education Center. This center is an educational

complex with an existing curriculum. The need for a full-time Grasslands educator is of the highest priority to implement the current curriculum. This subtask includes providing an educator to conduct programs at this facility, at the adjacent Los Banos Wildlife Area, and community outreach, teacher training, and related activities.

- (d) Teacher training / decision-maker workshops. **3 – 6** workshops utilizing the new curriculum will be held at the **San** Joaquin River and LaGrange sites (~~as~~ determined by teacher interest).

#### Task ~~4~~ Program Management:

This task will be accomplished by in-kind contribution ~~from~~ DFG.

**Monitoring and Assessment Plans** For the existing educational programs an annual report is produced. This report shows the program's expansion geographically and with numbers of teachers and students participating. Questionnaires, surveys, and oral interviews of teachers and volunteers are currently used by the DFG staff to evaluate the program. These methods will continue and will incorporate these new proposed elements into the existing monitoring and evaluation practice.

**Data Handling and Storage** All records will be maintained by the Department of Fish and Game.

#### Expected Outcome:

The expected outcomes include:

- Increased numbers of students and teachers taking field trips and going through the educational programs at the three sites;
- **An** increase in the number of teachers who use Salmonids in the Classroom or other another environmental education curriculum
- Increased exposure of parent, siblings, school administrators, and the general public to the content of the curriculum
- Enhanced understanding by the public of the ecological principles underlying Calfed goals of water quality, watershed management, and ecological functioning.
- Enhanced curriculum for general use in grades **K-12** that incorporates Calfed goals.

**Work Schedule:** The following table indicates the general plan of implementation of this grant. While completion of some task are essential to others (docent training is needed prior to conducting field trips; curriculum development prior to teacher training; field trip supplies prior to field trips...), many can proceed simultaneously, and there is considerable flexibility in scheduling.



<u>Calendar Year</u>	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>
<b>2001</b>	CALFED funds become available	DFG contracting process with CALFED	<u>Year 1 of grant program</u> Curriculum Development contract begins  Grasslands Education Contract begins	<u>Docent recruitment and training begins</u>  Begin assembly of Field Trip Kits, acquisition of signs, tables, shelters,  Curriculum Devel. Cant.  <u>Grasslands Ed. Cont.</u>
<b>2002</b>	Field trips and evaluations  Storage and Toilet rental (continues)  Curriculum Devel. Cont.  Grasslands Ed. Cont	Field trips and evaluations  Curriculum Devel. Cont.  Curriculum Devel. Cont.  Grasslands Ed. Cont	<u>Year 2 of grant program</u>  Begin scheduling teacher training workshops and evaluations  Field trips and evaluations  Curriculum Devel. Cont.  Grasslands Ed. Cont	Field trips and evaluations  Teacher training workshops and evaluations  Curriculum development completed Curriculum Distribution Begins  Grasslands Ed. Cont
<b>2003</b>	Field trips and evaluations  Teacher training workshops and evaluations  Curriculum Distribution Grasslands Ed. Cont	Field trips and evaluations  Teacher training workshops and evaluations  Curriculum Distribution <u>Grasslands Ed. Cont</u>	<u>Year 3 of grant program</u>  Field trips and evaluations  Teacher training workshops and evaluations  Curriculum Distribution Grasslands Ed. Cont	Field trips and evaluations  Teacher <b>training</b> workshops and evaluations  Curriculum Distribution Grasslands Ed. Cont
<b>2004</b>	Field trips and evaluations  Teacher training workshops and evaluations  Curriculum Distribution  Grasslands Ed. Cont	<u>End of grant program</u>  Field trips and evaluations  Teacher training workshops and <u>evaluations</u>  Curriculum Distribution  Grasslands Ed. Cont		

## Feasibility

This grant is highly feasible. The primary factors effecting feasibility are the demonstrated capabilities of the participants; and the existing success of the curricula.

## APPLICABILITY TO CALFED ERP GOALS AND IMPLEMENTATION PLAN AND CVPIA PRIORITIES

The current work of the Salmonids in the Classroom falls directly in line with the goals of CALFED. The curriculum currently contains lessons and the importance of water quality, water supply and ecosystem quality, three of the four foci of the CALFED Bay-Delta Program. This grant would allow us to expand to other regions and expand on the current curriculum offered to the classrooms.

### ERP Goals and CVPIA Priorities

The focus of the proposed program and the enhancement of the current Salmonid program is the education of students and the general public to the underlying concepts and goals of the ERP. The goal ideals are currently within the existing curriculum, which is extremely successful.

The program deals with the following Ecosystem Processes and Stressors:

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#### Ecological Processes

Central Valley Streamflow, Target 1  
Stream Meander, Target 1  
Natural Floodplain and Flood Processes, Target 1  
Central Valley Stream Temperatures, Target 1  
Seasonal Wetlands, Target 1  
Riparian and Riverine Aquatic Habitats, Target 1  
Natural Sediment Supply, Target 1  
Upper Watershed Processes, Target 1  
Nontidal Perennial Aquatic Habitat, Target 1

#### stressors

Water Diversions, Target 1  
Land Use, Target 1  
Contaminants, Target 1  
Dams, Reservoirs, Weirs, and Other Structures, Target 1  
Predation and Competition, Target 1  
Harvest of Fish and Wildlife, Target 1  
Artificial Propagation of Fish, Target 1

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### Relationship to Other Ecosystem Restoration Projects

This proposal is not directly related to the ERP educational programs as described by CALFED. It is consistent with other educational programs, and it will provide a curriculum that can be used in other programs statewide.

## Projects Previously Funded by CALFED or CVPIA

The San Joaquin Valley – Southern Sierra Region of the DFG has received funding for several other projects from CALFED. These are:

99-B153 Merced River Comdor Restoration Phase III – *recently constructed within budget; revegetation and monitoring underway*

98-C1009 Merced River Salmon Habitat Enhancement Phase III (joint w/DWR) – *final design in preparation; a supplementary proposal to address anticipated funding shortfalls; environmental permitting initiated 2/15/01. (fun*

98-HI001 SJV Salmonids in the Classroom Program Enhancement: *completed; translated materials in use*

97-1121 Developing a Genetic Baseline for San Joaquin Salmon – *contract with UC Davis in place; year 1 of 3 completed*

97-HI22 Merced River Ranch Acquisition and Restoration (joint w/WCB) – *acquisition phase moving close to escrow*

97-H125 Gravel at Basso Bridge – *completed; monitoring underway*

97-H123 Basso Bridge Land Acquisition (joint w/WCB) – *acquisition proceeding on 1 of 2 parcels*

## System-Wide Ecosystem Benefits

The promulgation of widespread understanding of CALFED goals, and underlying ecological concepts will have both immediate and long-term benefits for all areas of the program that require the support of the public. Public support is manifested as voting records, comments to decision-makers, recruitment into relevant professions and trades, public opinion, local volunteerism, and actions of private landowners. The children who receive the benefits of this program will carry this information for years; their parents, friends, and siblings will also be affected. Each teacher who is trained, and can possibly adopt even a part of the curriculum, can directly affect 20 – 30 students / year, plus other teachers, for the duration of their professional life. Potential benefits to the ecosystem **are** great – but difficult to measure directly.

## QUALIFICATIONS

### DEPARTMENT OF FISH AND GAME

**Bill Loudemilk** (Regional Manager, San Joaquin Valley – Southern Sierra Region)

Bill Loudemilk is currently serving as the Regional Manager of the San Joaquin Valley and Southern Sierra Region of the California Department of Fish and Game. Prior to his current position he was the Supervisor of the Anadromous Fisheries Project in the same region. He received his Bachelor of Arts in Environmental Biology from California State University, Sacramento, and also participated in the Graduate Program at Humboldt State University. *He actively promotes the DFG's leadership and partnership roles in Regional and Statewide environmental education programs.*

**Gail Hickman Davis** (Fish & Wildlife Interpreter I, California Department of Fish and Game)

Gail Hickman Davis has been employed with the DFG since 1992. Her current duties include coordinating the Salmonids in the Classroom Program for the San Joaquin Valley, Southern Sierra Region. Gail has a degree in Natural Resources Management from California Polytechnic State University, San Luis Obispo. She also holds teaching credentials in Life and Physical Sciences, Multiple Subject, and Cross-cultural Language and Academic Development (CLAD). She is an active member in the Central California Science Education Leadership Association and a board member for Region 7 of the California Regional Environmental Education Community (CREEC).

*Gail has successfully administered the Salmonids in the Classroom project for several years, as well as conducted teacher workshops, directed DFG regional environmental education*

### GRASSLANDS WATER DISTRICT

**Don Marciochi** (General Manager, Grassland Water District)

Don Marciochi has been employed by the Grassland Water District since October 1973 and has served as the District's General Manager since 1983. He led the District's efforts to secure a firm water supply by active participation in the development of the refuge provisions of CVPIA and similarly was involved in bringing about the implementation of projects to remove selenium contaminated drain water from the District's water supply. Don has a degree in history from California State University in Fresno.

**Dean Kwasny** (Wetland Biologist, Grassland Water District)

Dean Kwasny graduated from Humboldt State University with a BS and MS in wildlife management. He worked for the California Department of Fish and Game for five years managing wetland habitats and for Ducks Unlimited as a waterfowl and wetlands biologist. Now with the Grassland Water District, he is working with private landowners to enhance wetlands for the benefit of wildlife. He also assists wetland managers with water conservation practices,

habitat management and project development.

Mr. Marciochi and Mr. Kwasny established and administer the Grasslands Environmental Education Center, and are involved in the annual festival "wildAbout Wetlands" and similar public education activities in the Los Banos area.

### **SAN JOAQUIN RIVER PARKWAY AND CONSERVATION TRUST**

**Saundra Plett** (San Joaquin River Parkway and Conservancy Trust)

Ms. Plett serves as the Education Director for the San-Joaquin River Parkway and Conservation Trust. Her duties include the management and development of an outdoor and in-class environmental education program which serves 11,000 local school children annually. In addition she is responsible to recruit and train docents which lead these programs and works together with Fresno Unified School District to provide life science in-service training for K-12 teachers centering around the ecology of the river. Previous to this position Ms. Plett was for 15 years the owner and head teacher for Montessori pre-school/Kindergarten which featured an emphasis on natural sciences and environmental experiences for the students. Saundra has a B.A. from Fresno Pacific College and an M.A. in Early Childhood Education from California State University, Fresno where she serves as adjunct faculty in the school of Child and Family Sciences. She is an active member in the Central California Science Education Leadership Association and a board member for Region 7 of the California Regional Environmental Education Community (CREEC).

## **COSTS**

Task 1. Field Trip Supplies – **\$15,000**

Task 2. Curriculum Development and Distribution **\$37,000**

4. Development - \$35,000

5. Distribution - \$7,000

Task 3. Field Trip Implementation **\$192,328**

4. Docent recruitment and training \$ 9,600

5. Field Trips \$84,398

6. Grasslands Env. Ed. Cntr \$93,000

7. Teacher workshops \$ 6,000

Overhead: **\$50,000**

(Overhead rates include processing and administration by Fiscal and Administrative Services of DFG. Overhead is estimated at 20%, based on current rates for Fiscal Year 1999-2000.)

**Total Cost: \$299,998**

Cost Sharing: **\$180,000 (potential)**

Cost sharing commitments have not yet been obtained from the partners in this grant. However, we expect them to be significant. A more precise definition of cost sharing and more definite commitments can be provided if needed when this grant is awarded.

**DFG:** DFG will administer the grant, resulting in significant involvement not covered by the Department's overhead. Our initial estimate is approximately \$20 – 30,000 /year in staff time, materials, travel, and general support.

**Grasslands Water District:** In previous years, GWD has committed approximately \$15,000/year to the Environmental Education Center, as well as substantial staff time.

**San Joaquin River Parkway and Conservation Trust:** This non-governmental organization typically charges 10% overhead on contracts it administers, suggesting that another 5 – 10% overhead is donated. Their staff frequently works on assignments outside of their normal duties and hours. The Trust has amassed a large network of volunteers – if their potential contribution is included, we estimate another \$20 – 30,000 / year contributed.

**Thus, the total estimated in-kind contribution for cost-share is approximately \$60,000 / year for 3 years, or \$180,000 above the \$300,000 grant request**

Table 1. Annual and total budget, Partnerships for Environmental Education.

NOTE: Overhead rates based on FY 1999 - 2000 rates

Year	Task	All Items Subject Overhead								Total Cost
		Direct Labor Hours	Sci. Aid Salary @ \$11/hr	Benefits @ 24%	Travel	Supplies / Expendables	Service Contracts	Equipment	Overhead (20%)*	
Year 1	Task 1					\$15,000			\$3,000	\$18,000
	Task 2									
	Subtask 2a						\$30,000		\$6,000	\$36,000
	Subtask 2b					\$2,000	\$2,000		\$800	\$4,800
	Task 3									
	Subtask 3a						\$3,200		\$640	\$3,840
	Subtask 3b	1000	\$11,000	\$2,640	\$500	\$600	\$6,600		\$4,268	\$25,608
	Subtask 3c						\$31,000		\$6,200	\$37,200
	Subtask 3d								\$0	\$0
Total Cost Year 1			\$11,000	\$2,640	\$500	\$17,600	\$72,800	\$0	\$20,908	\$125,448
Year 2	Task 1								\$0	\$0
	Task 2									
	Subtask 2a						\$5,000		\$1,000	\$6,000
	Subtask 2b					\$1,000	\$2,000		\$600	\$3,600
	Task 3								\$0	\$0
	Subtask 3a						\$3,200		\$640	\$3,840
	Subtask 3b	1750	\$19,250	\$4,620	\$600	\$800	\$6,600		\$6,374	\$38,244
	Subtask 3c						\$31,000		\$6,200	\$37,200
	Subtask 3d					\$600	\$2,400		\$600	\$3,600
Total Cost Year 2			\$19,250	\$4,620	\$600	\$2,400	\$50,200	\$0	\$15,414	\$92,484
Year 3	Task 1								\$0	\$0
	Task 2								\$0	\$0
	Subtask 2a								\$0	\$0
	Subtask 2b								\$0	\$0
	Task 3								\$0	\$0
	Subtask 3a						\$3,200		\$640	\$3,840
	Subtask 3b	1700	\$18,700	\$4,488	\$600	\$800	\$6,600		\$6,238	\$37,426
	Subtask 3c						\$31,000		\$6,200	\$37,200
	Subtask 3d					\$600	\$2,400		\$600	\$3,600
Total Cost Year 3			\$18,700	\$4,488	\$600	\$1,400	\$43,200	\$0	\$13,678	\$82,066
Total Project Costs			\$48,950	\$11,748	\$1,700	\$21,400	\$166,200	\$0	\$50,000	\$299,998

## LOCAL INVOLVEMENT

The following organizations and agencies are currently involved or support this program, and additional involvement of other local groups (individual schools, scout troops, etc.) is likely:

1. CREEC (California Regional Environmental Education Community Network)- a state-wide consortium representing school districts, offices of education, museums, land conservancies and other groups whose main focus is to ensure that California's youth are environmentally literate and responsible stewards of their community.
2. San Joaquin River Parkway and Conservancy Trust- a local non-profit organization whose primary purpose is the acquisition and restoration of river corridor properties, and the education of students to carry on this practice.
3. GEECe (Grassland Environmental Education Center) - a partnership of Grasslands Water District and Tri-Valley Growers, with extensive local support, set up to increase public awareness and appreciation of wetlands, while recognizing the integral role played by agricultural interests, sportsmen, and others establishing and maintaining habitat for wildlife.
4. Tri-Valley Growers - The owners of the property on which the GEECe program takes place.
5. Turlock Irrigation District
6. Fresno County Office of Education
7. California Striped Bass Association - Fresno & Modesto Chapters
8. Stanislaus County Fish & Wildlife Committee
9. Commercial Salmon Trollers Association
10. Merced Flyfishers
11. U.S. Forest Service
12. Stanislaus Flyfishers
13. LaGrange Improvement Association

There are no known third-party impacts.



## COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

We intend to comply with **the** standard **terms** and conditions described in **the** PSP, and **are** not **aware** of any **impediments** to compliance.

# LETTERS OF NOTIFICATION

# ORIGINAL

STATE OF CALIFORNIA-THE RESOURCES AGENCY

GRAY DAVIS, Governor

## DEPARTMENT OF FISH AND GAME

1234 E SHAW AVENUE  
FRESNO, CA 93710  
(559) 243-4017



March 24, 2000

County Board of Supervisors  
2281 Tulare Street, Room 300  
Fresno, California 93721

Dear County Board Supervisors:

### Department of Fish and Game Application for Calfed Educational Grant

This letter is to inform you that the Department of Fish and Game, in collaboration with the Grasslands Resources Conservation District and San Joaquin River Parkway and Conservation Trust, is submitting a grant request to Calfed for activities that could occur within your county. The purpose of the grant is to enhance environmental education opportunities for students in grades K-12 by providing curricula, materials, teacher training, and field trip opportunities. The primary geographic foci of these activities would be the San Joaquin River from Friant to Highway 99; the Los Banos area; and the LaGrange area, but other areas may also be served..

A copy of our grant application is attached. If awarded, the earliest that grant funds might be available is February 2001; our program is planned to commence July 1, 2001. If we are successful, we will be in contact with the appropriate jurisdictions, both to keep you notified of our progress, and also to seek your collaboration. If you have questions at this time, please contact Ms. Gail Hickman-Davis, Regional Fish and Wildlife Interpreter (559-243-4005; ext 137), or Dr. Jeffrey Single, Conservation Planning Supervisor (559-243-4017).

Sincerely,

  
W. E. Loudermilk,  
Regional Manager

# ORIGINAL

Fresno = County Board of Supervisors  
2281 Tulare Street, Room 300  
Fresno, CA 93721  
Planning Department  
2220 Tulare Street, 6 Floor  
Fresno, CA 93721  
County Department of Education  
1111 Van Ness Ave.  
Fresno, CA

Madera = County Board of Supervisors  
209 Yosemite Ave.  
Madera, CA 93637  
Planning Department  
135 West Yosemite  
Madera, CA 93637  
County Department of Education  
28123 Avenue 14  
Madera, CA 93638

Merced = County Board of Supervisors  
2222 "M" Street  
Merced, CA 95340  
Planning Department  
2222 "M" Street  
Merced, CA 95340  
County Office Department of Education  
632 West 13' Street  
Merced, CA 95340

Stanislaus = County Board of Supervisors  
1010 "10<sup>th</sup> Street Place  
Modesto, CA 95354  
Planning Department  
1100 "H" Street  
Modesto, CA 95354  
County Office of Education  
1100 "H" Street  
Modesto, CA 95340

# ENVIRONMENTAL COMPLIANCE CHECKLIST

# ORIGINAL

## Environmental Compliance Checklist

All applicants **must fill** out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for **funding**. ***Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.***

- 1. Do any of the actions included in the proposal require compliance With either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?**

**YES**

~~NO~~

2. If you answered yes to # 1, identify the **lead** governmental agency for CEQA/NEPA compliance.

Lead Agency

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal. Actions are categorically exempt.

4. If CEQA/NEPA compliance is required, describe how the project will comply With either or both of there laws. Describe where the project is in the compliance process and the expected date of completion.

5. Will the applicant require a ~~cess~~ across public **or** private property that the applicant does not **own** to accomplish the activities **in** the proposal?

**YES**

          X            
NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide a access needs and permission for access with 30 days of notification of approval.

# ORIGINAL

6. Please indicate what permits **or other** approvals may be required for the activities contained in your proposal. Check all boxes that apply.

## LOCAL

Conditional use permit ☐  
 Variance ☐  
 Subdivision **Map** Act approval ☐  
 Grading permit ☐  
 General plan amendment ☐  
 Specific plan approval ☐  
~~Zone~~ ☐  
 Williamson Act Contract ☐  
 cancellation ☐  
 Other \_\_\_\_\_  
 (please specify)  
 None required ☒

## STATE

CESA Compliance ☐ (CDFG)  
 Streambed alteration permit ☐ (CDFG)  
 CWA § 401 certification ☐ (RWQCB)  
 Coastal development permit ☐ (Coastal Commission/BCDC)  
 Reclamation Board approval ☐  
 Notification ☐ (DPC, BCDC)  
 Other \_\_\_\_\_  
 (please specify)  
 None required ☒

## FEDERAL

ESA Consultation ☐ (USFWS)  
 Riven & Harbors Act permit ☐ (ACOE)  
 CWA § 404 permit ☐ (ACOE)  
 Other \_\_\_\_\_  
 (please specify)  
 None required ☒

DPC = **Delta** Protection Commission  
 CWA = Clean Water Act  
 CESA = California Endangered Species Act  
 USFWS = U.S. Fish and Wildlife Service  
 ACOE = **US Army** Corps of Engineers

ESA = Endangered Species ~~Act~~  
 CDFG = California Department of Fish and Game  
 RWQCB = Regional Water Quality Control Board  
 BCDC = Bay Conservation and Development Comm.

## LAND USE CHECKLIST



# ORIGINAL

## Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breaching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

\_\_\_\_\_  
YES

X  
NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).  
**Educational activities**

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

4. If YES to # 1, is the land currently under a Williamson Act contract?

\_\_\_\_\_  
YES

\_\_\_\_\_  
NO

5. If YES to # 1, answer the following:

Current land use

Current zoning

Current general plan designation

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

\_\_\_\_\_  
YES

\_\_\_\_\_  
NO

\_\_\_\_\_  
DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

\_\_\_\_\_

8. If YES to # 1, is the property currently being commercially farmed or grazed?

\_\_\_\_\_  
YES

\_\_\_\_\_  
NO

9. If YES to #8, what are

the number of employees/acre \_\_\_\_\_

the total number of employees \_\_\_\_\_

# ORIGINAL

**10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?**

**YES**

11. What entity/organization will hold the interest?\_\_\_\_\_

**12. If YES to # 10, answer the following:**

**Total** number of acres to be aquired under proposalNumber of ~~acres~~ to be aquired in fee

Number of acres to be subject to conservation easement

13. **For all proposals involving physical changer to the land **or** restriction in land **use**, describe what entity **or** organization will:**

manage the **property**

provide operations and maintenance services

conduct monitoring

**14. For land acquisitions (fee title or easements), will existing water rights also be acquired?**

**YES**

15. **Does the applicant propose any modifications to the water right **or** change in the delivery of the water?**

**YES**

16. If YES to # 15, describe\_\_\_\_\_

## LETTERS OF SUPPORT

ORIGINAL



*Grassland Resource Conservation District*  
*22759 S. Mercey Springs Rd.*  
*Los Banos, CA 93635*  
*Telephone (209) 826-5188*  
*Fax (209) 826-4984*

May 8, 2000

Mr. Jeff Single  
California Dept. of Fish and Game  
San Joaquin Valley and Southern Sierra Region  
1234 East Shaw Ave.  
Fresno, CA 93710

RE: CALFED Proposal - Partnerships for Environmental Education

The purpose of the Grassland Resource Conservation District (GRCD) is to protect, maintain, enhance, and restore the natural resources of Grassland wetlands for their environmental, recreational, educational, and economic value. As long standing supporters of the Grassland Environmental Education Center (GEECe), we emphatically endorse the California Department of Fish and Game's CALFED grant proposal entitled ***Partnerships for Environmental Education***. GEECe has successfully promoted environmental education and public awareness of Grassland wetlands by offering programs to local elementary schools ranging from Stockton to Fresno. Although the program has been incredibly successful, there exists an unfulfilled need to expand the current curriculum to reach additional school children. The expertise and additional support created through the partnership with California Department of Fish and Game will be of significant benefit in expanding and strengthening environmental education in the San Joaquin Valley.

Sincerely,

Duane Cosart, President

ORIGINAL



## Grassland Water District

22759 S. Mercey Springs Road  
Los Banos, CA 93635  
Telephone (209)826-5188  
Fax (209)826-4984

May 4,2000

*Mr.* Jeff Single  
California Dept. of Fish and Game  
San Joaquin Valley and Southern Sierra Region  
1234 East Shaw Ave.  
Fresno, CA 93710

RE: **CALFED Proposal** –Partnerships for Environmental Education

The Grassland Water District fully supports the California Department of **Fish** and **Game's** CALFED grant proposal entitled ***Partnerships for Environmental Education***. We believe the educational opportunity and partnerships created by **this** project will be of significant benefit in expanding and strengthening environmental education in the San Joaquin Valley. **As** lead agency in **the** establishment and ongoing operation of the Grassland Environmental Education Center (GEECe), we are committed to developing and integrating the goals of this proposal to expand and improve upon the existing **GEECe** curriculum. This project provides an excellent opportunity to extend GEECe's current **K-5** curriculum by developing upper level coursework to reach a much larger audience, including students enrolled in middle **and** high schools.

Once again, we are in complete support of the project and strongly urge CALFED to fund the proposal. If we can be of any assistance in making **this** project a success, please notify **us**.

Sincerely,

*Don Marciochi*  
M.R.

Don Marciochi  
General Manager

## CONTRACT FORMS

**SF 242A**

**DWR 4187**

# ORIGINAL

OMB Approval No. 0348-0043

## APPLICATION FOR FEDERAL ASSISTANCE

<b>1. TYPE OF SUBMISSION</b> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		<b>2. DATE SUBMITTED</b>  <b>3. DATE RECEIVED BY STATE</b>  <b>4. DATE RECEIVED BY FEDERAL AGENCY</b> 		Applicant Identifier  State Application Identifier  Federal Identifier															
<b>5. APPLICANT INFORMATION</b> Legal Name: <u>California Dept. of Fish and Game</u> Address (give city, county, state, and zip code): <u>1234 E. Shaw Avenue</u> <u>Fresno, California 93710</u> Organizational Unit: <u>San Joaquin Valley - southern sierra region</u> Name and telephone number of persons who prepared this application (give area wide): <u>Jeffrey Single (559) 243-4017</u>																			
<b>6. EMPLOYER IDENTIFICATION NUMBER (EIN):</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">             94-1697567           </div>			<b>7. TYPE OF APPLICANT: (enter appropriate letter in box)</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">             A State              B. County              C. Municipal              D. Township              E. Interstate              F. Intermunicipal              G. Special District           </div> <div style="width: 45%;">             H. Independent School Dist.              I. State Controlled Institution of Higher Learning              J. Private University              K. Indian Tribe              L. Individual              M. Profit Organization              N. Other (Specify) _____           </div> </div> <div style="text-align: right; margin-top: -20px;"> <input checked="" type="checkbox"/> A         </div>																
<b>8. TYPE OF APPLICATION:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award    B. Decrease Award    C. Increase Duration D. Decrease Duration    Other (specify): _____			<b>9. NAME OF FEDERAL AGENCY</b> <u>CALFED</u>																
<b>10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">             XX-XXXX           </div> TITLE: _____			<b>11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:</b> <u>Partnerships in Environmental Education: Uppper San Joaquin River, Grasslands Wetlands, and Tuolumne River.</u>																
<b>12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):</b> <u>Fresno, Madera, Merced, Stanislaus Counties</u>			<b>13. PROPOSED PROJECT</b> Start Date: <u>6-1-01</u> Ending Date: <u>5-30-04</u> <b>14. CONGRESSIONAL DISTRICTS OF:</b> a. Applicant: <u>18th, 19th and 20th</u> b. Project: <u>18th, 19th, and 20th</u>																
<b>15. ESTIMATED FINANCING:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">a. Federal</td> <td style="width: 40%;">\$ 00</td> </tr> <tr> <td>b. Applicant</td> <td>\$ 00</td> </tr> <tr> <td>c. state</td> <td>\$ 00</td> </tr> <tr> <td>d. Local</td> <td>\$ 00</td> </tr> <tr> <td>e. Other</td> <td>\$ 00</td> </tr> <tr> <td>f. Program Income</td> <td>\$ 00</td> </tr> <tr> <td>g. TOTAL</td> <td>\$ 300,000</td> </tr> </table>			a. Federal	\$ 00	b. Applicant	\$ 00	c. state	\$ 00	d. Local	\$ 00	e. Other	\$ 00	f. Program Income	\$ 00	g. TOTAL	\$ 300,000	<b>16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?</b> a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON DATE _____ b. No. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW		
a. Federal	\$ 00																		
b. Applicant	\$ 00																		
c. state	\$ 00																		
d. Local	\$ 00																		
e. Other	\$ 00																		
f. Program Income	\$ 00																		
g. TOTAL	\$ 300,000																		
<b>17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?</b> <input type="checkbox"/> Yes    If "Yes," attach an explanation. <input type="checkbox"/> No			<b>18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.</b>																
a. Type Name of Authorized Representative <u>W. E. Loudermilk</u>		b. Title <u>Regional Manager</u>		c. Telephone Number <u>(559) 243-4005 x156</u>															
d. Signature of Authorized Representative 		e. Date Signed <u>5/8/00</u>																	

# BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

SECTION A - BUDGET SUMMARY						
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1.		\$	\$	\$	\$	\$
2.						
3.						
4.						
5. Totals		\$299,998	\$	\$	\$	\$
SECTION B - BUDGET CATEGORIES						
6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)	
	(1)	(2)	(3)	(4)		
a. Personnel	\$ 48,950	\$	\$	\$	\$	
b. Fringe Benefits	11,748					
c. Travel	1,700					
d. Equipment	0					
e. Supplies	21,400					
f. Contractual	166,200					
g. Construction	0					
h. Other	0					
i. Total Direct Charges (sum of 6a-6h)	249,998					
j. Indirect Charges	50,000					
k. TOTALS (sum of 6i and 6j)	\$299,998	\$	\$	\$	\$	
7. Program Income	\$ 0	\$	\$	\$	\$	

ORIGINAL

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Previous Edition Usable

Standard Form 424A (Rev. 7-97)  
Prescribed by OMB Circular A-102



SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.	\$	\$	\$		
9.					
10.					
11. estimated in-kind contributions (see text)					
12. TOTAL (sum of lines 8-11)	\$	\$ 60,000	\$ 120,000		180,000
		\$ 60,000	\$ 120,000		180,000
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal					
15. TOTAL (sum of lines 13 and 14)	\$ 125,488	\$ 24,000	\$ 33,829	\$ 33,829	\$ 33,829
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (Years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$ 125,488	\$ 92,484	\$ 82,066	\$	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: \$249,998	22. Indirect Charges: \$50,000				
23. Remarks: 20% overhead based on FY 1999/2000 rate.					

# ORIGINAL

State of California

DEPARTMENT OF WATER RESOURCES

The Resources Agency

Agreement No.: \_\_\_\_\_

Exhibit: \_\_\_\_\_

## STANDARD CLAUSES - INTERAGENCY AGREEMENTS

**Audit Clause.** For Agreements in excess of \$10,000, the parties shall be subject to the examination and audit of the State Auditor for a period of three years after final payment under the Agreement (Government Code, Section 8546.7).

**Availability of Funds. Work** to be performed under this Agreement is subject to availability of funds through the State's normal budget process.

**Interagency Payment Clause.** For services provided under this Agreement, charges will be computed in accordance with State Administrative Manual Sections 8752 and 8752.1.

**Termination Clause.** Either State agency may terminate this Agreement upon thirty (30) days' advance written notice. The State agency providing the services shall be reimbursed for all reasonable expenses incurred up to the date of termination.

**Severability.** If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all other provisions of this Agreement be construed to remain fully valid, enforceable, and binding on the parties.

**Y2K Language.** The Contractor warrants and represents that the goods or services sold, leased, or licensed to the State of California, its agencies, or its political subdivisions, pursuant to this Agreement are "Year 2000 compliant" For purposes of this Agreement, a good or service is Year 2000 compliant if it will continue to fully function before, at, and after the Year 2000 without interruption and, if applicable, with full ability to accurately and unambiguously process, display, compare, calculate, manipulate, and otherwise utilize date information. This warranty and representation supersedes all warranty disclaimers and limitations and all limitations on liability provided by or through the Contractor.

# MAP

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